DESCRIPTION OF PROJECT ROADS

CHAPTER - 3

DESCRIPTION OF PROJECT ROADS

3.1 General

The project consists of bad roads in Ward No. 10 and Ward No. 11, Byatarayanapura Constituency, which includes 144 roads in. The existing roads need to be improved since there are formation of Cracks, Rutting and Potholes which are a hindrance to the free movement of traffic, in turn causing inconvenience to the people of the respective wards. The total length of all roads in Ward 10 and Ward 11 is 22374 m (22.374Km), Majority of roads pass through residential and commercial area. Below are the lists of the bad roads in their respective wards.

- **List of Roads in Package 3**
- **List of Roads in Ward No.10**
  - BEL Layout - 2nd Block 4th Main Road.
  - BEL Layout - 1st Main Road.
  - BEL Layout - 2nd Main Road.
  - BEL Layout - 3rd Main Road.
  - BEL Layout - 4th Main Road 1st Cross Road.
  - BEL Layout - 4th Main Road 5th Cross Road.
  - BEL Layout - 2nd Block Road.
  - BEL Layout - 4th Main Road 2nd Cross Road.
  - BEL Layout - 4th Main Road 4th Cross Road.
  - Nanjappa Layout - 1st A Main Road.
  - Chamundeshwari Layout - venugopalswami temple 2nd Cross Road (unnamed)
  - Chamundeshwari Layout - subbanna Road 2nd Cross.
  - Chamundeshwari Layout - 2nd Cross Road.
  - Chamundeshwari Layout - 5th Cross Road.
  - Chamundeshwari Layout - 5th 'A Cross Road.
  - Chamundeshwari Layout - venugopalswami temple Main Road.

- Chamundeshwari Layout - venugopalswami temple 1st Cross Road (unnamed).
- Chamundeshwari Layout - unnamed Road (next to 1st Cross 2nd phase).
- Chamundeshwari Layout - unnamed Road (next to 2nd Cross 4th phase).
- Chamundeshwari Layout - unnamed Road (dead end curve Road).
- Chamundeshwari Layout - 2nd Cross 4th phase.
- C.Ramaiah Layout - 3'D Cross Road.
- C.Ramaiah Layout - 3'C Cross Road.
- C.Ramaiah Layout - 3'B Cross Road.
- C.Ramaiah Layout - 3'A Cross Road.
- C.Ramaiah Layout - 2'A Cross Road.
- Muneshwara Layout - 6th Cross Road.
- Muneshwara Layout - In between 5th & 6th Cross.
- Muneshwara Layout - 2nd Cross Road.
- Muneshwara Layout - 3rd Cross Road.
- Muneshwara Layout - 5th Cross Road.
- Doddabommasandra - 2nd'B Cross Road.
- Doddabommasandra - 2nd'E Cross Road.
- Doddabommasandra - 1st Cross Road.
- Doddabommasandra - 7th Cross Road vemanna layout.
- Doddabommasandra - 2nd Cross Road.

➢ **List of Roads in Ward No.11**

- Kuvempunagara 1st stage - kamaraja road 8th cross upto dead end.
- Kuvempunagara 1st stage - opposite to 8th cross.
- Kuvempunagara 1st stage - opposite to 9th cross.
- Kuvempunagara 1st stage - 12th cross upto the coconut tree (next to the 11th cross).
- Kuvempunagara 1st stage - 11th cross (down next to CC road) (continution of khaliamma temple).

- Kuvempunagara 2nd stage – 11th cross upto the shop (2nd stage) (khaliamma temple).
- Kuvempunagara 2nd stage - Jalahalli east, right side vinayaka provision store (infront of sharadadevi chicken center) Govt school road.
- Balaji Layout - 3rd main road.
- Balaji Layout - Main road and cross roads.
- Balaji Layout - 1st Cross.
- Balaji Layout - 2nd cross.
- Balaji Layout - 3rd cross.
- Prakruthi Layout - Main road and cross roads.
- Prakruthi Layout - 1st Cross.
- Prakruthi Layout - 2nd cross.
- Prakruthi Layout - 3rd cross.
- Dhanlakshmi Layout - Dhanlakshmi Layout main road ('L' shape).
- Dhanlakshmi Layout - 1st cross (from dead end).
- Dhanlakshmi Layout - Cross road (shishu Patashala).
- Dhanlakshmi Layout - 2nd cross (from dead end).
- Dhanlakshmi Layout - 3rd cross (from dead end).
- Dhanlakshmi Layout - AVR Block 1st cross.
- Canara Bank Layout - 2nd main road.
- Singapura Paradise - 2nd main tower road (from singapura main road to dead end)
- Singapura Paradise - Opposite to Tower road.
- Singapura Paradise - Cross Roads from End.
- Singapura Paradise - 4th cross road ward 11, (from singapura main road to dead road).
- Singapura Paradise - 3rd main road (from singapura main road to dead road)
- Singapura Paradise - Cross Road 1
- Singapura Paradise - Cross Road 2
- Singapura Paradise - Cross Road 3
- Singapura Paradise - Cross Road 4

- Singapura Paradise - 3rd main and 3rd cross road
- Singapura Paradise - Cross Road 5
- Singapura Paradise - Cross Road 6 (curve road)
- Singapura Paradise - Paradise main road (from chandragathi house #64 to dead end.
- Singapura Paradise - From Abbigere main road to dead end (santhe road).
- Sai Garden Layout - Main road.
- Sai Garden Layout - 1st cross
- Sai Garden Layout - 2nd cross
- Sai Garden Layout - 3rd cross
- Sai Garden Layout - 4th cross
- Singapura Village - Varadaraja swamy temple (from main road upto corner).
- Hosabalve Nagar - Singapura Road to dead end
- Hosabalve Nagar - srinikanth Main Road
- Hosabalve Nagar - Singapura Road to dead end.
- Hosabalve Nagar - Singapura Road to dead end.
- Chandrappa Layout - 1st main road and all cross roads.
- Chandrappa Layout - 3rd cross.
- Chandrappa Layout - A.Chandrappa road 1st cross (LHS).
- Chandrappa Layout - A.Chandrappa road 1st cross (RHS).
- Chandrappa Layout - A.Chandrappa road 2nd cross (LHS).
- Chandrappa Layout - A.Chandrappa road 2nd cross (RHS).
- Chandrappa Layout - A.Chandrappa road 3rd cross (RHS)
- Chandrappa Layout - A.Chandrappa road 3rd cross (LHS)
- Chandrappa Layout - A.Chandrappa road 4th cross
- Chandrappa Layout - A.Chandrappa road 5th cross (LHS)
- Chandrappa Layout - A.Chandrappa road 5th cross (RHS)
- Chandrappa Layout - A.Chandrappa road 6th cross
- Chandrappa Layout - 1st cross
- Chandrappa Layout - 4th cross
- Chandrappa Layout - 5th cross

- Teachers Layout - 1st cross ward no 11.
- Rajeshwari Layout - Tank Bund road.
- Singapura Garden - 4th cross.
- Munikalappa Layout - 1st Main Road.
- Munikalappa Layout - 3rd Cross 2nd phase.
- Sonnappa Layout - 4th cross.
- Sonnappa Layout - 12'A main road (satya green appartment main road).
- Sidhivinayaka Layout - 6th main road.
- Sidhivinayaka Layout - 4th main road (all cross roads).
- Sidhivinayaka Layout - 4th main dead end road ('T' shape road).
- Kodegahalli Layout - 3rd main road to dead end
- Kodegahalli Layout - 5th cross.
- Kodegahalli Layout - 2nd cross.
- Kodegahalli Layout - 4th cross.
- Kodegahalli Layout - 3rd cross.
- Kodegahalli Layout - 1st cross.
- Kodegahalli Layout - opposite to 1st cross road.
- Defence layout - 3rd Road.
- BEL Layout - 5th Block venkateshwari temple Road (Arch).
- BEL Layout - 3rd Block 12th Cross Road.
- BEL Layout - 3rd Block 9th Cross Road.
- Muneshwara Layout - 4th Cross Road.
- Nanjappa Layout - 4th Cross.
- Nanjappa Layout - Blue moon ramanamma Garden 1st main.
- NTI Layout - 8th A Main Road.
- BEL Layout - 5th Block 4th Cross Road.
- BEL Layout - 2nd Block Road.

3.2 Existing project roads

3.2.1 Terrain

Terrain is classified by general slope of the country across the alignment, based on this criterion majority of the project roads pass through Plain terrain.

3.2.2 Alignment

The existing roads have the carriage widths varying from 4.5m to 12m and the existing gradients of the project roads are within acceptable limits as per IRC: 86. Table 1 shows the list of project roads with their carriage way widths.

3.2.3 Climate

Due to its elevation, Bangalore enjoys a pleasant climate throughout the year, with temperatures ranging between 33°C and 16°C, with an average of 24°C. The summer heat is moderated by occasional thunderstorms and squalls. Bangalore receives adequate rainfall of about 860 mm from the Northeast Monsoon as well as the Southwest Monsoon. The wettest months are August, September and October.

3.2.4 Carriageway Width

The existing carriageway width varies from 4.5m to 12.00m. Details of carriageway width are as shown in Table 3.1 below,

Table 3.1 - LIST OF ROADS WITH THEIR CARRIAGE WAY WIDTHS

Sl.No	Name of the road	Carriage way width in m
	Ward No.10	
	BEL Layout	
1	2nd Block 4th Main Road	5.5
2	1st Main Road	6.1
3	2nd Main Road	6
4	3rd Main Road	6.2
5	4th Main Road 1st Cross Road	6.1
6	4th Main Road 5th Cross Road	6
7	4th Main Road 2nd Cross Road	6.4
8	4th Main Road 4th Cross Road	6.6
	Nanjappa Layout	

9	1st A Main Road	5.2
	Chamundeshwari Layout	
10	venugopalswami temple 2nd Cross Road (unnamed)	4
11	subbanna Road 2nd Cross	4.7
12	2nd Cross Road	4.2
13	5th Cross Road	4.6
14	5th 'A Cross Road	4.2
15	venugopalswami temple Main Road	5.1
16	venugopalswami temple 1st Cross Road (unnamed)	3.7
17	unnamed Road (next to 1st Cross 2nd phase)	5
18	unnamed Road (next to 2nd Cross 4th phase)	5.2
19	unnamed Road (dead end curve Road)	3.5
20	2nd Cross 4th phase	3.8
	C.Ramaiah Layout	
21	3'D Cross Road	6.2
22	3'C Cross Road	5.8
23	3'B Cross Road	5.7
24	3'A Cross Road	5.9
25	2'A Cross Road	5.7
	Muneshwara Layout	
26	6th Cross Road	4.6
27	In between 5th & 6th Cross	5.3
28	2nd Cross Road	4.6
29	3rd Cross Road	4.5
30	5th Cross Road	4.5
	Doddabommasandra	
31	2nd'B Cross Road	5.4
32	2nd'E Cross Road	5.5
33	1st Cross Road	5.2
34	7th Cross Road vemanna layout	4.55
35	2nd Cross Road	4.6
	Ward No.11	
	Kuvempunagara 1st stage	
1	kamaraja road 8th cross upto dead end	5.7
2	opposite to 8th cross	5.45
3	opposite to 9th cross	5.7
4	12th cross upto the coconut tree (next to the 11th cross)	4.65
5	11th cross (down next to CC road) (continution of khaliamma temple)	5.2
	Kuvempunagara 2nd stage	
6	11th cross upto the shop (2nd stage) (khaliamma temple)	4.8
7	Jalahalli east, right side vinayaka provision store (infront of sharadadevi chicken center) Govt school road	6.5
8	Kuvempunagara 2nd Stage (Cross Road)	4

9	Kuvempunagara 2nd Stage (Main Road)	5
10	Kuvempunagara 2nd Stage Akshaya Road	5.1
	Balaji Layout	
11	3rd main road	5.1
	Prakruthi Layout	
12	Main road and cross roads	4
13	1st Cross	4.2
14	2nd cross	4.5
15	3rd cross	4.3
	Dhanlakshmi Layout	
16	Dhanlakshmi Layout main road ('L' shape)	5.65
17	1st cross (from dead end)	4.6
18	Cross road (shishu Patashala)	4.2
19	2nd cross (from dead end)	4.8
20	3rd cross (from dead end)	4.85
21	AVR Block 1st cross	4
	Canara Bank Layout	
22	2nd main road	4.95
	Singapura Paradise	
23	2nd main tower road (from singapura main road to dead end)	5.2
24	Opposite to Tower road	4.75
25	Cross Roads from End	4.3
26	4th cross road ward 11, (from singapura main road to dead road)	4.8
27	3rd main road (from singapura main road to dead road)	4.5
28	Cross Road 1	5.2
29	Cross Road 2	5.1
30	Cross Road 3	5.3
31	Cross Road 4	5.2
32	3rd main and 3rd cross road	4.7
33	Cross Road 5	4.8
34	Cross Road 6 (curve road)	5.2
35	Paradise main road (from chandragathi house #64 to dead end	4.5
36	From Abbigere main road to dead end (santhe road)	7
37	Sri varadaraja swamy hadavande 2nd main road, 3rd cross	5.1
38	Sri varadaraja swamy hadavande, Basavanna main road	6
	Doddabommasandra	
39	partially unnamed Road (from peta siddappa circle to apoorva mansion apartment) 7th corss	5.5
	Sai Garden Layout	
40	Main road	7.3

41	1st cross	4.8
42	2nd cross	4.6
43	3rd cross	4.6
44	4th cross	5.1
	Singapura Village	
45	Varadaraja swamy temple (from main road upto corner)	5.6
	Hosabalve Nagar	
46	Singapura Road to dead end	6.6
47	srinikanth Main Road	4.9
48	Singapura Road to dead end	4.5
49	Singapura Road to dead end	5.4
	Chandrappa Layout	
50	1st main road and all cross roads	5.3
51	3rd cross	5
52	A.Chandrappa road 1st cross (LHS)	5
53	A.Chandrappa road 1st cross (RHS)	5.1
54	A.Chandrappa road 2nd cross (LHS)	5.2
55	A.Chandrappa road 2nd cross (RHS)	5.1
56	A.Chandrappa road 3rd cross (RHS)	4.8
57	A.Chandrappa road 3rd cross (LHS)	5
58	A.Chandrappa road 4th cross	4.8
59	A.Chandrappa road 5th cross (LHS)	4.9
60	A.Chandrappa road 5th cross (RHS)	4.9
61	A.Chandrappa road 6th cross	4.5
62	1st cross	5.1
63	4th cross	5.1
64	5th cross	5.8
	Teachers Layout	
65	1st cross ward no 11	6.5
	Rajeshwari Layout	
66	Tank Bund road	6
	Singapura Garden	
67	4th cross	5.7
	Munikalappa Layout	
68	1st Main Road	5.5
69	3rd Cross 2nd phase	6
	Sonnappa Layout	
70	4th cross	4.2
71	12'A main road (satya green appartment main road)	4.5
	Sidhivinayaka Layout	
72	6th main road	4.85
73	4th main road (all cross roads)	5.2
74	4th main dead end road ('T' shape road)	4.4
	Kodegahalli Layout	
75	3rd main road to dead end	5

76	5th cross	4.2
77	2nd cross	4.1
78	4th cross	4.2
79	3rd cross	4.3
80	1st cross	4.5
81	opposite to 1st cross road	4.3
	Defence layout	
82	3rd Road	7
	BEL Layout	
83	5th Block venkateshwari temple Road (Arch)	7
84	3rd Block 12th Cross Road	4.5
85	3rd Block 9th Cross Road	4.5
	Muneshwara Layout	
86	4th Cross Road	4.6
	Nanjappa Layout	
87	Nanjappa layout 4th Cross	5.5
88	Blue moon ramanamma Garden 1st main	7.2
89	Ramchandrapura main Road to Doddabommasandra main road	6
	Valmiki nagar	
90	Lakshmipura Main Road to dead end	5.5
	Sriniketh Badavane	
91	Cross Road to sriniketh badavane Along Door 117 Road	4.5
92	Along kalyani No.18	5
93	Srinikethan Badavane Beside 5th Cross	4.1
94	4th Main Road (S.B Road)	5.2
95	3rd A Cross Road (S.B Road)	5.3
96	1st Cross Road (S.B Road)	5.2
97	Park Avenue Road (S.B Road)	5.1
98	Rachanalaya House Road	5.2
99	CP House No 80/60	6.05
100	Mukkunda House Road	5.2
101	5TH Cross Road (SB Road)	5
102	4th Cross Road (S.B Road)	5.3
103	3rd Cross Road (S.B Road)	5.2
104	3rd Main Road (S.B Road)	5.1
105	Cross Road Behind Vaishnavi Nilaya	5.2
	Basavasamithi	
106	Basavasamithi main Road	6.73
107	NTI Layout - 8th A Main Road	5
108	BEL Layout - 5th Block 4th Cross Road	4.5
109	BEL Layout - 2nd Block Road.	6.5

3.2.5 Pavement Condition

The existing pavement conditions are analyzed based on visual inspection as per IRC 81-1997 Table -1. The Roads as per the Visual Inspection were found to be in Good to Poor condition. This may be due to improper material in subgrade, compaction or movement of heavily loaded trucks. The summaries of pavement condition obtained by visual inspection are listed in Table 3.2 below.

TABLE 3.2: PAVEMENT CLASSIFICATION BASED ON VISUAL INSPECTION

Sl.No	Name of the road	Road Condition
	Ward No.10	
	BEL Layout	
1	2nd Block 4th Main Road	Satisfactory
2	1st Main Road	Satisfactory
3	2nd Main Road	Satisfactory
4	3rd Main Road	Satisfactory
5	4th Main Road 1st Cross Road	Satisfactory
6	4th Main Road 5th Cross Road	Satisfactory
7	4th Main Road 2nd Cross Road	Satisfactory
8	4th Main Road 4th Cross Road	Satisfactory
	Nanjappa Layout	
9	1st A Main Road	Satisfactory
	Chamundeshwari Layout	
10	venugopalswami temple 2nd Cross Road (unnamed)	Satisfactory
11	subbanna Road 2nd Cross	Satisfactory
12	2nd Cross Road	Satisfactory
13	5th Cross Road	Satisfactory
14	5th 'A Cross Road	Satisfactory
15	venugopalswami temple Main Road	Satisfactory
16	venugopalswami temple 1st Cross Road (unnamed)	Satisfactory
17	unnamed Road (next to 1st Cross 2nd phase)	Satisfactory
18	unnamed Road (next to 2nd Cross 4th phase)	Satisfactory
19	unnamed Road (dead end curve Road)	Satisfactory
20	2nd Cross 4th phase	Satisfactory
	C.Ramaiah Layout	

21	3'D Cross Road	Satisfactory
22	3'C Cross Road	Satisfactory
23	3'B Cross Road	Satisfactory
24	3'A Cross Road	Satisfactory
25	2'A Cross Road	Satisfactory
	Muneshwara Layout	
26	6th Cross Road	Satisfactory
27	In between 5th & 6th Cross	Satisfactory
28	2nd Cross Road	Satisfactory
29	3rd Cross Road	Satisfactory
30	5th Cross Road	Satisfactory
	Doddabommasandra	
31	2nd'B Cross Road	Satisfactory
32	2nd'E Cross Road	Satisfactory
33	1st Cross Road	Satisfactory
34	7th Cross Road vemanna layout	Satisfactory
35	2nd Cross Road	Satisfactory
	Ward No.11	
	Kuvempunagara 1st stage	
1	kamaraja road 8th cross upto dead end	Poor
2	opposite to 8th cross	Satisfactory
3	opposite to 9th cross	Satisfactory
4	12th cross upto the coconut tree (next to the 11th cross)	Satisfactory
5	11th cross (down next to CC road) (continution of khaliamma temple)	Satisfactory
	Kuvempunagara 2nd stage	
6	11th cross upto the shop (2nd stage) (khaliamma temple)	Satisfactory
7	Jalahalli east, right side vinayaka provision store (infront of sharadadevi chicken center) Govt school road	Satisfactory
8	Kuvempunagara 2nd Stage (Cross Road)	Satisfactory
9	Kuvempunagara 2nd Stage (Main Road)	Satisfactory
10	Kuvempunagara 2nd Stage Akshaya Road	Satisfactory
	Balaji Layout	

11	3rd main road	Satisfactory
	Prakruthi Layout	
12	Main road and cross roads	Satisfactory
13	1st Cross	Satisfactory
14	2nd cross	Satisfactory
15	3rd cross	Satisfactory
	Dhanlakshmi Layout	
16	Dhanlakshmi Layout main road ('L' shape)	Satisfactory
17	1st cross (from dead end)	Satisfactory
18	Cross road (shishu Patashala)	Satisfactory
19	2nd cross (from dead end)	Satisfactory
20	3rd cross (from dead end)	Satisfactory
21	AVR Block 1st cross	Satisfactory
	Canara Bank Layout	
22	2nd main road	
	Singapura Paradise	
23	2nd main tower road (from singapura main road to dead end)	Satisfactory
24	Opposite to Tower road	Satisfactory
25	Cross Roads from End	Satisfactory
26	4th cross road ward 11, (from singapura main road to dead road)	Satisfactory
27	3rd main road (from singapura main road to dead road)	Satisfactory
28	Cross Road 1	Satisfactory
29	Cross Road 2	Satisfactory
30	Cross Road 3	Satisfactory
31	Cross Road 4	Satisfactory
32	3rd main and 3rd cross road	Poor
33	Cross Road 5	Satisfactory
34	Cross Road 6 (curve road)	Satisfactory
35	Paradise main road (from chandragathi house #64 to dead end	Poor

36	From Abbigere main road to dead end (santhe road)	Poor
37	Sri varadaraja swamy hadavande 2nd main road, 3rd cross	Satisfactory
38	Sri varadaraja swamy hadavande, Basavanna main road	Satisfactory
	Doddabommasandra	
39	partially unnamed Road (from peta siddappa circle to apoorva mansion apartment) 7th corss	Satisfactory
	Sai Garden Layout	
40	Main road	Satisfactory
41	1st cross	Satisfactory
42	2nd cross	Satisfactory
43	3rd cross	Satisfactory
44	4th cross	Satisfactory
	Singapura Village	
45	Varadaraja swamy temple (from main road upto corner)	Poor
	Hosabalve Nagar	
46	Singapura Road to dead end	Poor
47	srinikanth Main Road	Satisfactory
48	Singapura Road to dead end	Satisfactory
49	Singapura Road to dead end	Satisfactory
	Chandrappa Layout	
50	1st main road and all cross roads	
51	3rd cross	Satisfactory
52	A.Chandrappa road 1st cross (LHS)	Poor
53	A.Chandrappa road 1st cross (RHS)	Poor
54	A.Chandrappa road 2nd cross (LHS)	Poor
55	A.Chandrappa road 2nd cross (RHS)	Poor
56	A.Chandrappa road 3rd cross (RHS)	Poor
57	A.Chandrappa road 3rd cross (LHS)	Poor
58	A.Chandrappa road 4th cross	Poor
59	A.Chandrappa road 5th cross (LHS)	Poor
60	A.Chandrappa road 5th cross (RHS)	Poor

61	A.Chandrappa road 6th cross	Poor
62	1st cross	Satisfactory
63	4th cross	Satisfactory
64	5th cross	Satisfactory
Teachers Layout		
65	1st cross ward no 11	Poor
Rajeshwari Layout		
66	Tank Bund road	Poor
Singapura Garden		
67	4th cross	Satisfactory
Munikalappa Layout		
68	1st Main Road	Satisfactory
69	3rd Cross 2nd phase	Satisfactory
Sonnappa Layout		
70	4th cross	Satisfactory
71	12'A main road (satya green appartment main road)	Satisfactory
Sidhivinayaka Layout		
72	6th main road	Satisfactory
73	4th main road (all cross roads)	Satisfactory
74	4th main dead end road ('T' shape road)	Satisfactory
Kodegahalli Layout		
75	3rd main road to dead end	Satisfactory
76	5th cross	Satisfactory
77	2nd cross	Satisfactory
78	4th cross	Satisfactory
79	3rd cross	Satisfactory
80	1st cross	Satisfactory
81	opposite to 1st cross road	Satisfactory
Defence layout		
82	3rd Road	Satisfactory

BEL Layout		
83	5th Block venkateshwari temple Road (Arch)	Satisfactory
84	3rd Block 12th Cross Road	Satisfactory
85	3rd Block 9th Cross Road	Satisfactory
Muneshwara Layout		
86	4th Cross Road	Satisfactory
Nanjappa Layout		
87	Nanjappa layout 4th Cross	Satisfactory
88	Blue moon ramanamma Garden 1st main	Satisfactory
89	Ramchandrapura main Road to Doddabommasandra main road	Satisfactory
Valmiki nagar		
90	Lakshmipura Main Road to dead end	Satisfactory
Sriniketh Badavane		
91	Cross Road to sriniketh badavane Along Door 117 Road	Poor
92	Along kalyani No.18	Poor
93	Srinikethan Badavane Beside 5th Cross	Satisfactory
94	4th Main Road (S.B Road)	Poor
95	3rd A Cross Road (S.B Road)	Satisfactory
96	1st Cross Road (S.B Road)	Satisfactory
97	Park Avenue Road (S.B Road)	Satisfactory
98	Rachanalaya House Road	Satisfactory
99	CP House No 80/60	Satisfactory
100	Mukkunda House Road	Poor
101	5TH Cross Road (SB Road)	Satisfactory
102	4th Cross Road (S.B Road)	Satisfactory
103	3rd Cross Road (S.B Road)	Satisfactory
104	3rd Main Road (S.B Road)	Satisfactory
105	Cross Road Behind Vaishnavi Nilaya	Satisfactory
Basavasamithi		
106	Basavasamithi main Road	
107	NTI Layout - 8th A Main Road	Satisfactory

108	BEL Layout - 5th Block 4th Cross Road	Satisfactory
109	BEL Layout - 2nd Block Road.	Satisfactory

3.2.6 Land Use along the project highway

Land use along majority of roads is predominantly for built up area. The settlements are used for residential and commercial purposes.

`3.3 Traffic flow conditions

Traffic on these project roads is of mixed type. Majority of roads only carry passenger vehicle most of the time, and there are also commercial vehicles ply on some roads. Commercial vehicles include 2-axle and 3-axle trucks and LCVs.

The intensity of traffic on this stretch is likely increase in future, the reason being:

- The Bangalore Mahanagara Palike became Bruhat Bangalore Mahanagara Palike after inclusion of 7 CMC, 1TMC & 111 Villages adjoining to the CMC areas vide Government of Karnataka Notification No. UDD 92 MNY 2006 dated 02.11.2006. To provide better transport facility, to improve the quality of urban civic services better roads are needed. At present the existing roads in these newly added areas are narrow without proper Drainage, Footpath, and Culverts etc. The BBMP has taken up an ambitious plan to upgrade Arterial & Sub Arterial Road network in these newly added areas of BBMP in view of providing better infrastructure.
- Roads in and around EPIP zones are being upgraded to arterial road standards which will result in enormous increase in the traffic.
- The number of commercial and residential plots in the given area is high.
- Rising traffic congestion is one of the key issues in the City. Though the length of roads available is good, the problem lies with the restricted widths.

3.4 Cross Drainage Structures and Side Drains

There are no major CD structures along the project road except for the cross roads. The condition of the existing CD structures is good.